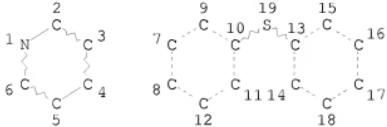


=> d 11  
L1 HAS NO ANSWERS  
L1 STR

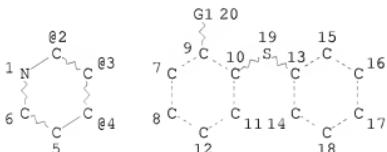


NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RSPEC 4 13 10  
NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

=> d 111  
L11 HAS NO ANSWERS  
L11 STR

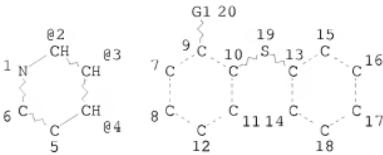


```
VAR G1=2/3/4  
NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED
```

GRAPH ATTRIBUTES:  
RSPEC 4 13 10  
NUMBER OF NODES IS 20

STEREO ATTRIBUTES: NONE

=> d 113  
L13 HAS NO ANSWERS  
L13 STR



```
VAR G1=2/3/4
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ELEVEL IS LIMITED
```

```
GRAPH ATTRIBUTES:
RSPEC 4 13 10
NUMBER OF NODES IS 20

STEREO ATTRIBUTES: NONE
```

=> d his 114

(FILE 'REGISTRY' ENTERED AT 10:27:31 ON 16 SEP 2008)
L14 263 SEARCH L13 SSS FUL

=> fil caplus			
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION	
FULL ESTIMATED COST	222.30	584.63	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION	
CA SUBSCRIBER PRICE	0.00	-11.20	

FILE 'CAPLUS' ENTERED AT 10:30:41 ON 16 SEP 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 16 Sep 2008 VOL 149 ISS 12
FILE LAST UPDATED: 15 Sep 2008 (20080915/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

=> s 114

L15 6 L14

=> d bib 1-6

L15 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2007:1454990 CAPLUS  
DN 148:61901  
TI Crystalline forms of 4-[2-(4-methylphenylsulfanyl)phenyl]piperidine with combined serotonin and norepinephrine reuptake inhibition for the treatment of neuropathic pain  
IN Bang-Andersen, Benny; Faldt, Andre; Stensboel, Tine Bryan; Miller, Silke; Lopez De Diego, Heidi  
PA H. Lundbeck A/S, Den.  
SO PCT Int. Appl., 71pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007144006	A1	20071221	WO 2007-DK50076	20070615
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRAI	DK 2006-816	A	20060616		
	US 2006-805009P	P	20060616		
	DK 2007-423	A	20070320		
RE.CNT	3	THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L15 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2004:857401 CAPLUS  
DN 141:332062  
TI Preparation of [(phenylsulfanyl)phenyl]piperidine derivatives as serotonin reuptake inhibitors  
IN Pueschl, Ask; Jorgensen, Morten; Ruhland, Thomas; Bryan, Stensbol Tine; Bang-Andersen, Benny  
PA H. Lundbeck A/S, Den.  
SO PCT Int. Appl., 91 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087156	A1	20041014	WO 2004-DK244	20040402
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,  
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,  
 TJ, TM, TN, TR, TT, TZ, UA, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
 SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,  
 TD, TG  
 AU 2004226838 A1 20041014 AU 2004-226838 20040402  
 CA 2521258 A1 20041014 CA 2004-2521258 20040402  
 EP 1626720 A1 20060222 EP 2004-725291 20040402  
 EP 1626720 B1 20080903  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR  
 BR 2004008647 A 20060307 BR 2004-8647 20040402  
 CN 1780622 A 20060531 CN 2004-80009174 20040402  
 JP 2006522030 T 20060928 JP 2006-504349 20040402  
 MX 2005PA09592 A 20051018 MX 2005-PA9592 20050908  
 IN 2005CN02513 A 20070831 IN 2005-CN2513 20051004  
 NO 2005005208 A 20051104 NO 2005-5208 20051104  
 US 2006100242 A1 20060511 US 2005-551883 20051129  
 PRAI DK 2003-520 A 20030404  
 US 2003-460528P P 20030404  
 WO 2004-DK244 W 20040402  
 OS MARPAT 141:332062  
 RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2004:202756 CAPLUS  
 DN 142:134387  
 TI Product subclass 4: benzothiepins and selenium/tellurium analogues  
 AU Schwan, A. L.  
 CS Dept. of Chemistry and Biochem., University of Guelph, Guelph, ON, N1G  
 2W1, Can.  
 SO Science of Synthesis (2004), 17, 717-748  
 CODEN: SSCYJ9  
 PB Georg Thieme Verlag  
 DT Journal; General Review  
 LA English  
 RE.CNT 119 THERE ARE 119 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2003:282552 CAPLUS  
 DN 138:304306  
 TI Preparation of phenylpiperazines as serotonin reuptake inhibitors  
 IN Ruhland, Thomas; Smith, Garrick Paul; Bang-Andersen, Benny; Pueschl, Ask;  
 Moltzen, Ejner Knud; Andersen, Kim  
 PA H. Lundbeck A/S, Den.  
 SO PCT Int. Appl., 35 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1  
 PATENT NO. KIND DATE APPLICATION NO. DATE  
 -----  
 PI WO 2003029232 A1 20030410 WO 2002-DK659 20021002  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
 UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,  
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 CA 2462110 A1 20030410 CA 2002-2462110 20021002  
 AU 2002333220 A1 20030414 AU 2002-333220 20021002  
 AU 2002333220 A2 20030414  
 AU 2002333220 B2 20080207  
 EP 1436271 A1 20040714 EP 2002-800051 20021002  
 EP 1436271 B1 20080220  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK  
 BR 2002012733 A 20041116 BR 2002-12733 20021002  
 CN 1561336 A 20050105 CN 2002-819025 20021002  
 JP 2005050585 T 20050224 JP 2003-532482 20021002  
 JP 3896116 B2 20070322  
 HU 2004002313 A2 20050228 HU 2004-2313 20021002  
 NZ 531556 A 20051223 NZ 2002-531556 20021002  
 EP 1749818 A2 20070207 EP 2006-16609 20021002  
 EP 1749818 A3 20080402  
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT,  
 LI, LU, MC, NL, PT, SE, SK, TR, AL, LT, LV, MK, RO, SI  
 AT 386730 T 20080315 AT 2002-800051 20021002  
 ES 2298425 T3 20080516 ES 2002-800051 20021002  
 ZA 2004001583 A 20050310 ZA 2004-1583 20040226  
 MX 2004PA02959 A 20040705 MX 2004-PA2959 20040330  
 KR 770194 B1 20071025 KR 2004-704897 20040402  
 NO 2004001628 A 20040421 NO 2004-1628 20040421  
 IN 2004CN00910 A 20060113 IN 2004-CN910 20040429  
 US 20050014740 A1 20050120 US 2004-488280 20040615  
 US 7144884 B2 20061205  
 HK 1072600 A1 20080125 HK 2005-105260 20050623  
 US 20060084662 A1 20060420 US 2005-296835 20051206  
 US 7138407 B2 20061121  
 US 20060089368 A1 20060427 US 2005-296836 20051206  
 US 7148238 B2 20061212  
 AU 2006215994 A9 20061005 AU 2006-215994 20060914  
 AU 2006215994 A2 20061005  
 AU 2006215994 A1 20061005  
 JP 2007031447 A 20070208 JP 2006-271762 20061003  
 JP 3955614 B2 20070808  
 JP 2007051149 A 20070301 JP 2006-271758 20061003  
 JP 3955613 B2 20070808  
 US 20070060574 A1 20070315 US 2006-551188 20061019  
 KR 783346 B1 20071207 KR 2006-722562 20061027  
 KR 2007103515 A 20071023 KR 2007-722025 20070927  
 KR 842702 B1 20080701  
 PRAI DK 2001-1466 A 20011004  
 AU 2002-333220 A3 20021002  
 EP 2002-800051 A3 20021002  
 JP 2003-532482 A3 20021002  
 WO 2002-DK659 W 20021002  
 KR 2004-704897 A3 20040402  
 US 2004-488280 A3 20040615  
 KR 2006-722562 A3 20061027

OS MARPAT 138:304306

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

## ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1995:836619 CAPLUS  
 DN 124:86950  
 OREF 124:16343a,16346a  
 TI 2H-Benzimidazoles (isobenzimidazoles). Part 10. Synthesis of polysubstituted o-phenylenediamines and their conversion into heterocycles, particularly 2-substituted benzimidazoles with known or potential anthelmintic activity  
 AU Hazelton, Justine C.; Iddon, Brian; Suschitzky, Hans; Wolley, Ley H.  
 CS Science Res. Inst., Univ. Salford, Salford, M5 4WT, UK  
 SO Tetrahedron (1995), 51(39), 10771-94  
 CODEN: TETRAB; ISSN: 0040-4020  
 PB Elsevier  
 DT Journal  
 LA English  
 OS CASREACT 124:86950

L15 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1980:471569 CAPLUS

DN 93:71569  
 OREF 93:11633a,11636a  
 TI Phenylthiophenylpiperidines  
 IN Ong, Helen H.; Proffitt, James A.  
 PA American Hoechst Corp., USA  
 SO U.S., 16 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English

FAN.CNT 1

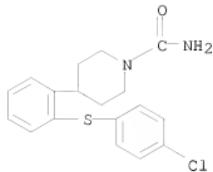
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 4198419	A	19800415	US 1979-2349	19790110
DE 2952066	A1	19800724	DE 1979-2952066	19791222
JP 55094364	A	19800717	JP 1980-2517	19800110
FR 2446282	A1	19800808	FR 1980-461	19800110
FR 2446282	B1	19820521		
GB 2040936	A	19800903	GB 1980-914	19800110
GB 2040936	B	19830615		
PRAI US 1979-2349	A	19790110		
OS MARPAT 93:71569				

=> d hitstr 6

L15 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
 IT 74442-94-7P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

RN 74442-94-7 CAPLUS  
 CN 1-Piperidinecarboxamide, 4-[2-[(4-chlorophenyl)thio]phenyl]- (CA INDEX NAME)



=> d hitstr 5

L15 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
IT 172362-57-1P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation of substituted phenylenediamines and their conversion into  
heterocyclic compds.)  
RN 172362-57-1 CAPLUS  
CN 1,2-Benzenediamine, 4-(phenylsulfonyl)-3-(4-piperidinyl)- (CA INDEX NAME)

